

Product datasheet for **TA319968**

KCNK12 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	KCNK12 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human KCNK12.
Formulation:	KCNK12 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	KCNK12 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	potassium two pore domain channel subfamily K member 12
Database Link:	NP_071338 Entrez Gene 64119 Rat Entrez Gene 210741 Mouse Entrez Gene 56660 Human Q9HB15
Background:	KCNK12 Antibody: KCNK13 and KCNK12 (also known as THIK1 and 2) are the first two members of a novel two pore-forming P domains K ⁺ channels subfamily. The pore loop domain, a highly conserved region common to all potassium channels, is involved in determining potassium ion selectivity. Members of this family are all characterized by four transmembrane domains and may function to help influence the resting membrane potential of cells. KCNK12 is expressed mainly in the brain and lung, but also observed in the kidneys, heart and skeletal muscle. KCNK12 is closely related to KCNK13 (58% identity at the amino acid level), but could not yet been functionally expressed in vitro and may require other proteins to become active.

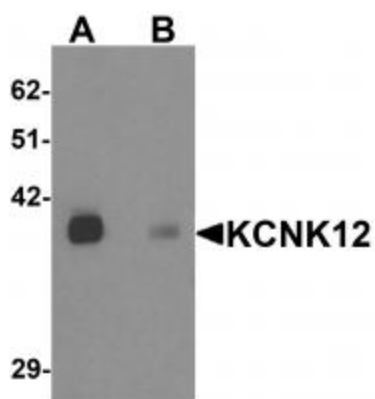


[View online »](#)

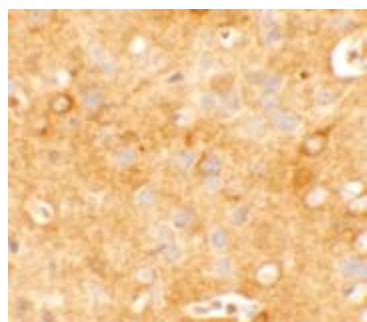
Synonyms: K2p12.1; THIK-2; THIK2

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

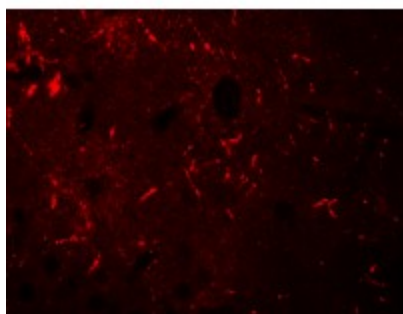
Product images:



Western blot analysis of KCNK12 in rat brain tissue lysate with KCNK12 antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of KCNK12 in mouse brain tissue with KCNK12 antibody at 5 ug/mL.



Immunofluorescence of KCNK12 in mouse brain tissue with KCNK12 antibody at 20 ug/mL.